


09/354,080

(19)  European Patent Office
Office européen des brevets



(11) EP 0 982 935 A3

(12) EUROPEAN PATENT APPLICATION

(88) Date of publication A3:
01.08.2001 Bulletin 2001/31

(51) Int Cl.7: H04N 5/00, H04N 7/16,
H04N 7/167

(43) Date of publication A2:
01.03.2000 Bulletin 2000/09

(21) Application number: 99115660.5

(22) Date of filing: 08.08.1999

(84) Designated Contracting States:
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU
MC NL PT SE
Designated Extension States:
AL LT LV MK RO SI

(72) Inventors:
• Balestri, Massimo
10141 Torino (IT)
• De Petris, Gianluca
65121 Pescara (IT)

(30) Priority: 11.08.1998 IT TO980705

(74) Representative:
Riederer Freiherr von Paar zu Schönau, Anton et
al
Lederer, Keller & Riederer,
Postfach 26 64
84010 Landshut (DE)

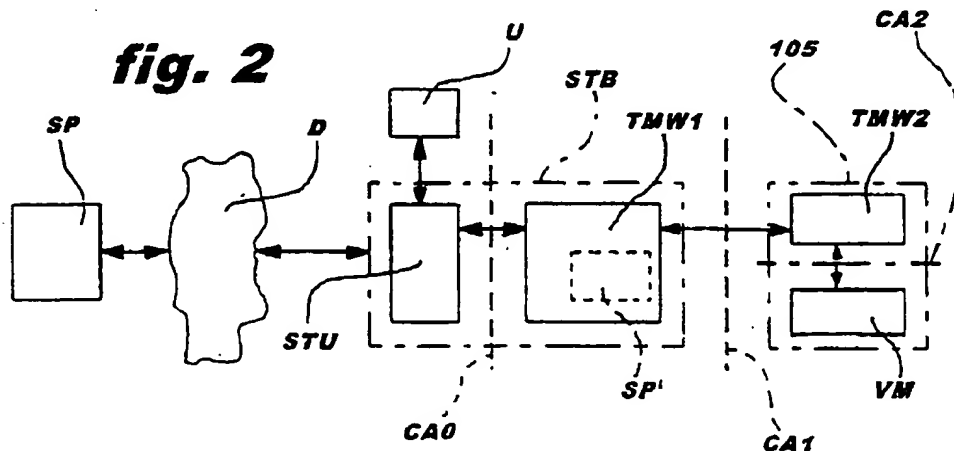
(71) Applicant: CSELT Centro Studi e Laboratori
Telecomunicazioni S.p.A.
10148 Turin (IT)

(54) Method and system for the controlled delivery of digital multimedia services

(57) The services delivered by a plurality of providers (SP) towards the users (U) are identified by respective streams of encoded data, for instance MPEG data. The users (U) are provided with respective receiving means (STB) of a generalised type, common to all users. Each user is provided with a user unit (105), preferably embodied in the form of a smart card, incorporating

ing a processing function (VM) able to recognise, load and execute at least one enabling algorithm embedded in the data streams sent by the providers, by exploiting a respective identification code, also embedded in the delivered data stream, to enable the receiving means, through the user unit (105), to make use of the respective service.

fig. 2



EP 0 982 935 A3

09 / 354,080

EP 99 11 5660

European Patent
Office

EUROPEAN SEARCH REPORT

Application Number
EP 99 11 5660

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
X	WO 96 08912 A (HARDING MICHAEL V ;NEWBY CHARLES F (US); TITAN INFORMATION SYSTEMS) 21 March 1996 (1996-03-21) * page 7, line 11 - line 21; figure 1 * * page 7, line 22 - page 8, line 6; figure 2 * * page 8, line 18 - line 19; figure 4 * * page 8, line 27 - page 9, line 5; figure 2 * * page 9, line 12 - line 15 * ---	1-14	H04N5/00 H04N7/16 H04N7/167
A	EP 0 817 485 A (THOMSON MULTIMEDIA SA) 7 January 1998 (1998-01-07) * page 1, column 2, line 28 - page 3, column 3, line 28; figure 3 * ---	5,12	
A	WO 97 04553 A (PHILIPS ELECTRONICS NV ;PHILIPS NORDEN AB (SE)) 6 February 1997 (1997-02-06) * the whole document *	4,5,11,12	
A	GIACHETTI J -L ET AL: "A COMMON CONDITIONAL ACCESS INTERFACE FOR DIGITAL VIDEO BROADCASTING DECODERS" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, IEEE INC. NEW YORK, US, vol. 41, no. 3, 1 August 1995 (1995-08-01), pages 836-841, XP000539543 ISSN: 0098-3063 * page 839 'Command Interface' - page 840 'Application Layer' --- -/--	5,12	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H04N

The present search report has been drawn up for all claims

Place of search THE HAGUE	Date of completion of the search 11 June 2001	Examiner Dobbelaere, D
CATEGORY OF CITED DOCUMENTS X : particularly relevant (taken alone) Y : particularly relevant (combined with another document of the same category) A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after, the filing date D : document cited in the application L : document cited for other reasons A : member of the same patent family, corresponding document		

09/354,080

EP 0 982 935 A3

European Patent
Office

EUROPEAN SEARCH REPORT

Application Number

EP 99 11 5660

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	FUTRO A T: "SMART CARD FOR CONDITIONAL ACCESS: A MARKETING AND SECURITY TOOL" PROCEEDINGS OF THE INTERNATIONAL TELEVISION SYMPOSIUM AND TECHNICAL EXHIBITION, CH, GENEVE, CCITT, vol. SYMP. 18, 11 June 1993 (1993-06-11), pages 733-742, XP000379321 * the whole document *	3,10,15	
A	PEYRET P ET AL: "SMART CARDS PROVIDE VERY HIGH SECURITY AND FLEXIBILITY IN SUBSCRIBERS MANAGEMENT" IEEE TRANSACTIONS ON CONSUMER ELECTRONICS, US, IEEE INC. NEW YORK, vol. 36, no. 3, 1 August 1990 (1990-08-01), pages 744-752, XP000162915 ISSN: 0098-3063 * page 746, paragraph 4 - page 751, paragraph 7 *	1-3,8-10	
			TECHNICAL FIELDS SEARCHED (Int.Cl.7)
The present search report has been drawn up for all claims			
Place of search		Date of completion of the search	Examiner
THE HAGUE		11 June 2001	Dobbelaere, D
CATEGORY OF CITED DOCUMENTS			
<p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background C: non-written disclosure P: intermediate document</p>			
<p>□: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application □: document cited for other reasons &: member of the same patent family, corresponding document</p>			

EPO FORM 1503 (01/02) (PUB.01)

09/354,080

EP 0 982 935 A3

ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.

EP 99 11 5660

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

11-06-2001

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9608912	A	21-03-1996	AU 4461996	29-03-1996
			CA 2199526	21-03-1996
			EP 0787391	06-08-1997
			US 6115821	05-09-2000
			US 6108422	22-08-2000
			US 5796829	18-08-1998
EP 0817485	A	07-01-1998	FR 2750554	02-01-1998
			CN 1171015	21-01-1998
			JP 10164052	19-06-1998
			US 6035038	07-03-2000
WO 9704553	A	06-02-1997	EP 0793880	10-09-1997
			JP 10505995	09-06-1998

PHC FORM PCHS9
11-06-2001

For more details about this annex : see Official Journal of the European Patent Office, No. 12/82